

Scholar Results 1 - 5 of 5 for ("directional evaporation induced self-assembly" OR "DEISA" OR "assisted directional evaporation induced self-assembly" OR "ADEISA") AND (colloid OR colloidal). (0.12 seconds)

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G Ozin

[Electronically addressable SnO₂ inverted opal gas sensors fabricated on interdigitated gold ...](#) - group of 3 »

RWJ Scott, DEW San Ming Yang, GA Ozin - Chemical Communications, 2003 - rsc.org
... weight surfactant- free polystyrene colloid solution (sphere ... air-water interface,
and DEISA driven growth of the polystyrene colloidal film proceeded ...
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[Opal Circuits of Light@Planarized Microphotonic Crystal Chips*](#) - group of 3 »

HM San Ming Yang, GA Ozin - doi.wiley.com
... The microspheres are depos- ited inside the microchannels through ADEISA. ... Ball B /
DEISA ... [20]W. Stober, A. Fink, E. Bohn, J. Colloid Interface Sci. ...
Related Articles - Web Search

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A Arsenaault, S Fournier-Bidoz, B Hatton, H Miguez ... - Journal of Materials Chemistry, 2004 - pubs.rsc.org
... 15. Structural and optical quality of patterned colloidal crystals made by ADEISA
and IHDEISA are contingent upon both microsphere monodispersity and surface ...
Related Articles - Web Search - BL Direct

[Formation of Aligned Microfiber Arrays via Self-Assembling SiO₂ Nanocolloids. Change of Microfiber ...](#) - group of 3 »

V Shklover - Chem. Mater, 2005 - crystal.mat.ethz.ch
... co-workers for growth of silica colloidal crystals of different geometries and on
different substrates with directed evaporation induced self-assembly (DEISA). ...
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[citation] National Facility for Advanced Computational Science: A Sustainable Path to Scientific Discovery - group of 5 »

NC FUSION
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The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

Scholar Results 1 - 10 of 10 for (directional OR directed) AND "mass transport" AND (colloid OR colloidal) AND (solvent OR evaporate OR evaporation OR evaporating OR evaporated) AND opal. (0.12 seconds)

All Results

J Sakamoto

[Hierarchical battery electrodes based on inverted opal structures - group of 2 »](#)

JS Sakamoto, B Dunn - Journal of Materials Chemistry, 2002 - pubs.rsc.org

... Removal of the colloidal spheres leaves a 3-D ... communication is directed at electrochemical properties and ... channels that enhance mass transport throughout the ...

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B Dunn

O Velev

A Lenhoff

G Ozin

[Electronically addressable SnO₂ inverted opal gas sensors fabricated on interdigitated gold ... - group of 3 »](#)

RWJ Scott, DEW San Ming Yang, GA Ozin - Chemical Communications, 2003 - rsc.org

... of the Bragg stop bands and greater mass transport. ... 8 This novel directed colloidal-assembly technique ... surfactant-free polystyrene colloid solution (sphere ...

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HM San Ming Yang, GA Ozin - doi.wiley.com

... of strong capillary-driven directional mass flow ... capillary forces and mass-transport effects to drive ... microphotonic crystals made by directed self-assembly ...

[Related Articles](#) - [Web Search](#)[Colloidal crystals as templates for porous materials - group of 3 »](#)

OD Velev, AM Lenhoff - Current Opinion in Colloid & Interface Science, 2000 - crystal.ch.ncsu.edu

... larger pores allow rapid mass transport, while the ... Template-directed preparation of macroporous polymers with ... Lenhoff rCurrent Opinion in Colloid & Interface ...

Cited by 52 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)[3D ordered macroporous materials](#)

RC Schroden, A Stein - ... , Modification, Organization and Utilization of Colloid ..., 2003 - doi.wiley.com

... materials potentially allow easier mass transport through the ... bioactive materials, and templates for colloid synthesis, follows ... effort has been directed to the ...

Cited by 1 - [Related Articles](#) - [Web Search](#)[Soft Nanotechnology with Soft Nanoparticles. - group of 3 »](#)

S Nayak, LA Lyon - Angewandte Chemie (International ed. Print), 2005 - doi.wiley.com

... tally switchable payload release, or directed self-assembly. ... detailed phase-transition behavior, mass-transport through the network, and colloidal stability ...

[Related Articles](#) - [Web Search](#)[Abiotic-biotic controls on the origin and development of spicular sinter: in situ growth ... - group of 2 »](#)

KM HANDLEY, KA CAMPBELL, BW MOUNTAIN, PRL BROWNE - Geobiology, 2005 - Blackwell Synergy

... a submerged, weighted metal block, and directed subaerially through ... partially transformed to crusts of opal-A ... over-saturation caused by cooling and evaporation. ...

[Related Articles](#) - [Web Search](#) - [BL Direct](#)[\[BOOK\] Supramolecular Organization and Materials Design - group of 3 »](#)

WEDT Jones - 2002 - books.google.com

... stages of their development, crystallization does not appear to occur from a supersaturated aqueous solution, but rather from structured colloidal phases. ...

Cited by 5 - [Related Articles](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)[Enzyme immobilization by condensation copolymerization into crosslinked polyacrylamide gels](#)

A Pollak, H Blumenfeld, M Wax, RL Baughn, GM ... - Journal of the American Chemical Society, 1980 - pubs.acs.org

... in aqueous-organic solvent mixtures. ... Inclusion of a Ferrofluid-a surfactant-stabilized magnetite colloid-in the gel-forming step results in the formation of a ...

Cited by 33 - [Related Articles](#) - [Web Search](#)[\[BOOK\] The Chemistry of Nanostructured Materials](#)

P Yang - 2003 - books.google.com

... in the past decades including colloidal nanocrystal, bucky ... synthetic efforts have also been directed towards the ... ammonium cations, or neutral solvent molecules ...

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